

Date=01/07/2020

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IN PREVIOUS LECTURE(QUICK RECAP)

=LEARNED ABOUT TERMINAL COMMANDS

About "Git"

=Git Is "Version Control System"

=>On This lecture we learned new git commands which are explained below

1.Git Init

=“git init” **initializes** a git repository in your pc.

=The **git init command** creates a new **Git** repository. It can be used to convert an existing, unversioned project to a **Git** repository or **initialize** a new, empty repository.

```
upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ \ls
Hemanshu test

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git init
Initialized empty Git repository in C:/Users/upadh/Desktop/Testing/.git/

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$
```

To know more About git init- ["click here"](#)

2.Git Status

=The git status command displays the **state of the working directory and the staging area.**

=It lets you see which changes have been staged, which haven't, and which files aren't being tracked

=by **Git Status** output does **not show you any information regarding the committed project history.**

```

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Hemanshu/
        test/

nothing added to commit but untracked files present (use "git add" to track)

```

To know more About git status [“click here”](#)

3.Git add

=The **git add** command adds a change in the working directory to the staging area.

=It tells **Git** that you want to include updates to a particular file in the next commit.

=However, **git add** doesn't really affect the repository in any significant way—changes are not actually recorded to Add type “git add . <file name>”

```

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git add . hemanshu

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Hemanshu/test.txt
        new file:   test

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ |

```

To know more About git add [“click here”](#)

4.git commit

=it Record's changes in git repository

=The "**commit**" command is used to save your changes to the local repository.

=To Commit file type "**git commit -m '<commit_message>'**"

```
upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git commit -m hemanshu
[master (root-commit) 5e79cfa] hemanshu
 2 files changed, 1 insertion(+)
 create mode 100644 Hemanshu/test.txt
 create mode 160000 test

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$
```

To know more About git commit [“click here”](#)

5.Git log

=The **git log** command displays all of the commits in a repository's history.

```
upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$ git log
commit 5e79cfab8cb48624368681c4602b876bb2b72061 (HEAD -> master)
Author: Hemanshu <upadhyayhri@gmail.com>
Date:   Fri Jul 3 17:25:38 2020 +0530

    hemanshu

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop/testing (master)
$
```

To know more About git status [“click here”](#)

6.Git Diff

=git diff compares changes you made on repository

=git diff is a multi-use Git command that when executed runs a diff function on Git data sources.

```

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop (master)
$ git diff
diff --git a/Internet Download Manager.lnk b/Internet Download Manager.lnk
deleted file mode 100644
index 1a739e4..0000000
Binary files a/Internet Download Manager.lnk and /dev/null differ
diff --git a/Zoom.lnk b/Zoom.lnk
deleted file mode 100644
index 0734575..0000000
Binary files a/Zoom.lnk and /dev/null differ
diff --git a/attendance b/attendance
deleted file mode 160000
index 9a0a71b..0000000
--- a/attendance
+++ /dev/null
@@ -1,0,0 @@
-Subproject commit 9a0a71ba9197b32b7461f67a059970453e0a2634
diff --git "a/\302\265Torrent.lnk" "b/\302\265Torrent.lnk"
deleted file mode 100644
index 12471a0..0000000
Binary files "a/\302\265Torrent.lnk" and /dev/null differ

upadh@LAPTOP-HKEATLPB MINGW64 ~/Desktop (master)
$

```

To know more About git diff [“click here”](#)